

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009216.D
 Acq On : 29 Apr 2019 18:42
 Operator : JC/SP
 Sample : K2594-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW037-190423

Manual Integrations
 APPROVED

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 4/30/2019 11:03:55 AM

Quant Time: Apr 30 09:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123634	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	136727	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
35) Dibromofluoromethane	5.50	113	101490	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	417040	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.13	95	138154	44.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.52%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	17762	6.908	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	26754	10.509	ug/l	89
40) Benzene	6.15	78	7040	0.731	ug/l	96
44) Trichloroethene	7.22	130	4275	1.837	ug/l	96
64) Tetrachloroethene	9.34	164	1127	0.563	ug/l #	88
65) Chlorobenzene	10.14	112	103115	17.652	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1944	0.489	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	4854m	1.210	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	5866	1.448	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

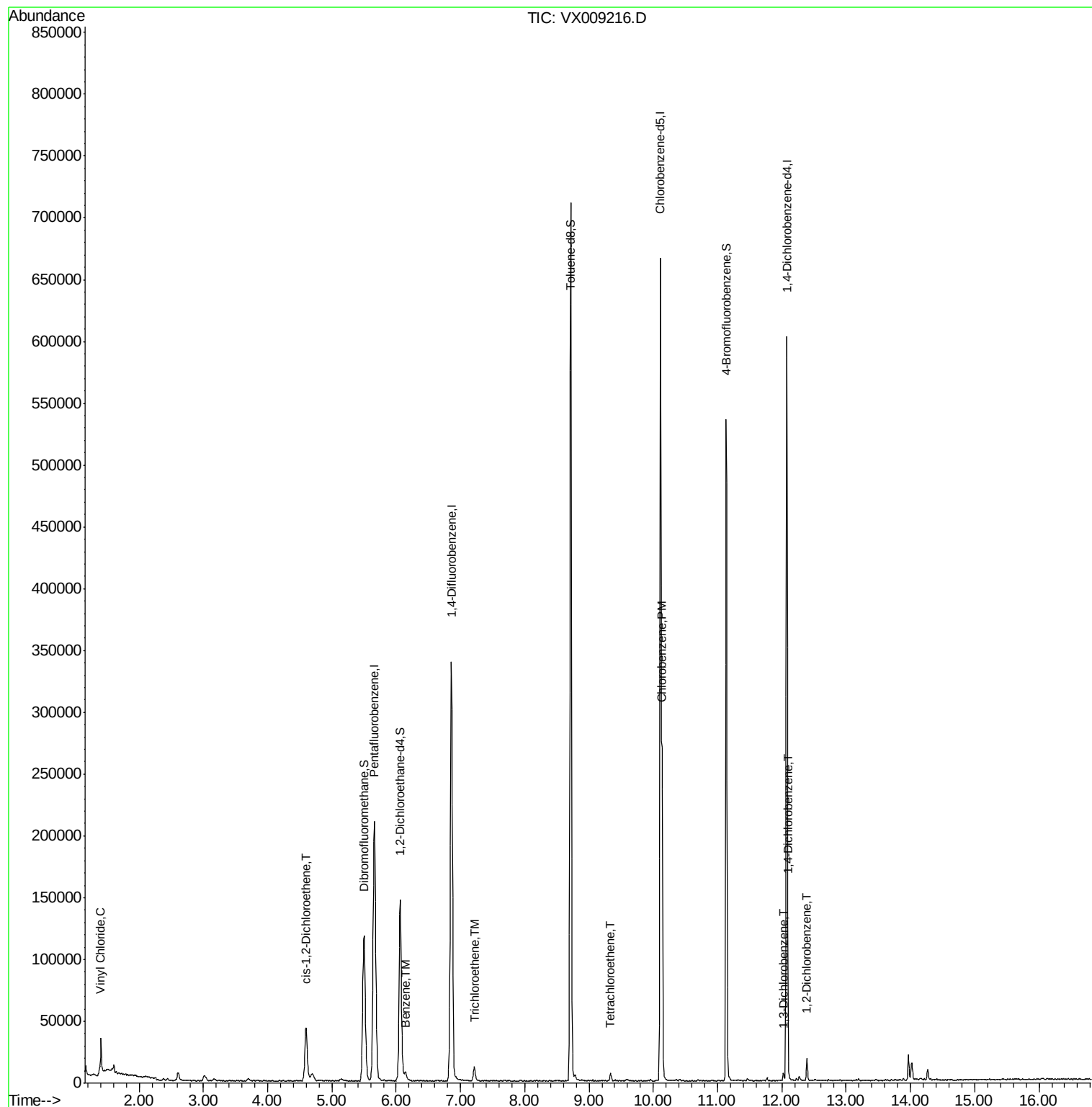
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042919\
Data File : VX009216.D
Acq On : 29 Apr 2019 18:42
Operator : JC/SP
Sample : K2594-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

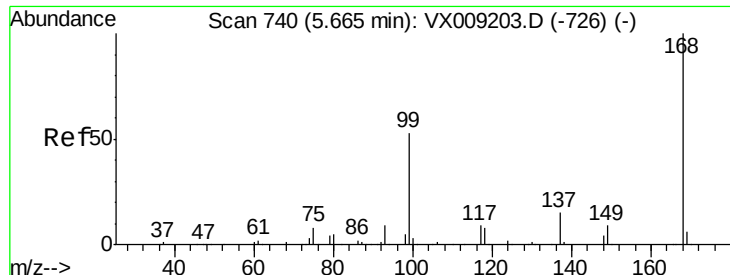
Instrument :
MSVOA_X
ClientSampleId :
WP021MW037-190423

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Quant Time: Apr 30 09:50:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009216.D

Acq: 29 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-190423

Tot Ion:168 Resp: 209597

Ion Ratio Lower Upper

168 100

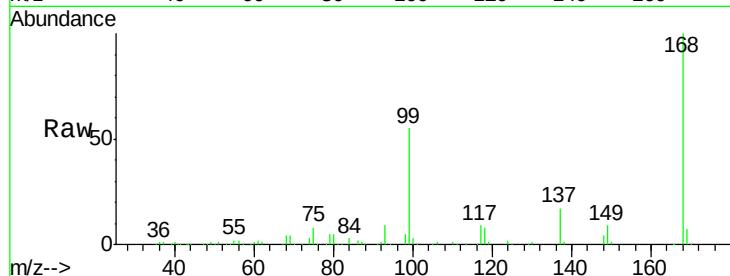
99 55.3 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

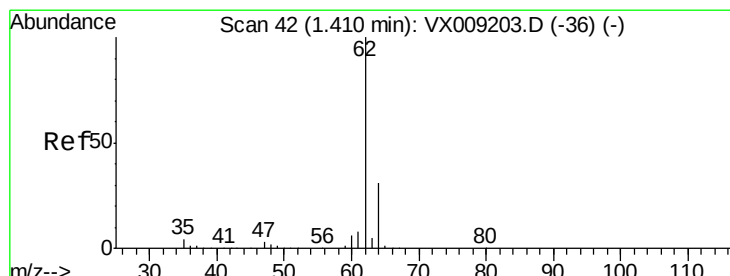
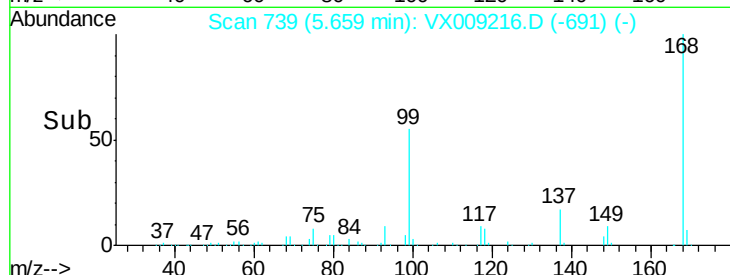
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 6.908 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009216.D

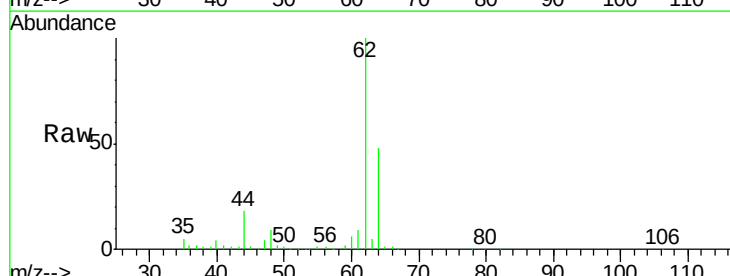
Acq: 29 Apr 2019 18:42

Tgt Ion: 62 Resp: 17762

Ion Ratio Lower Upper

62 100

64 41.6 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

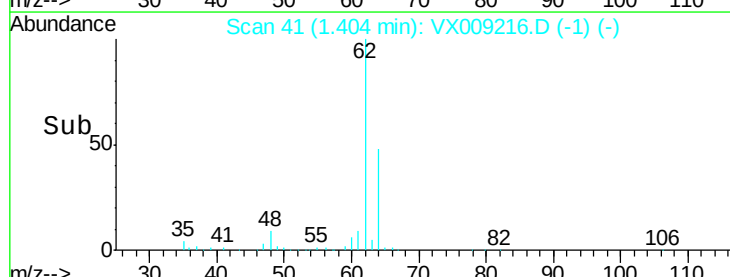
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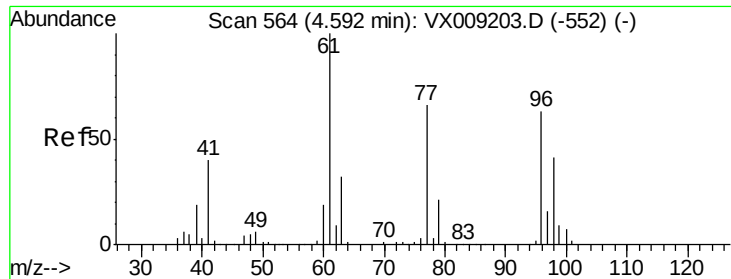
10000

5000

0

Time-->





#27

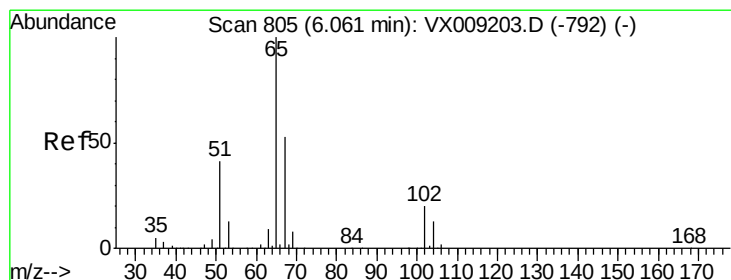
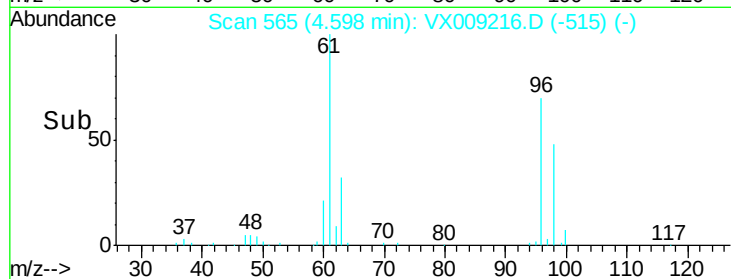
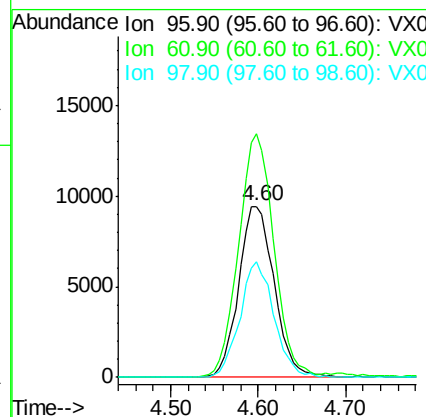
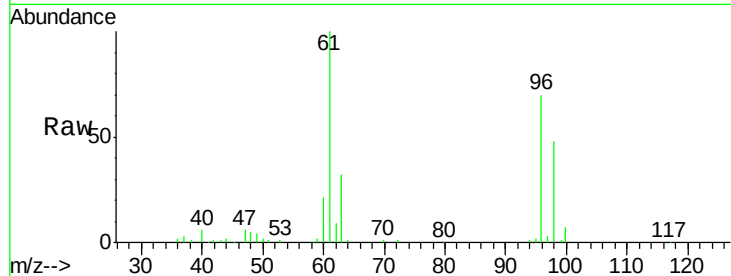
cis-1,2-Dichloroethene
 Concen: 10.509 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009216.D
 Acq: 29 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW037-190423

Tot Ion	Ratio	Resp	Lower	Upper
96	100	26754		
61	141.0		0.0	324.0
98	64.8		0.0	130.4

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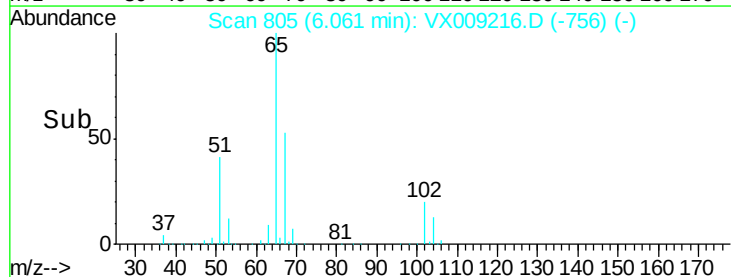
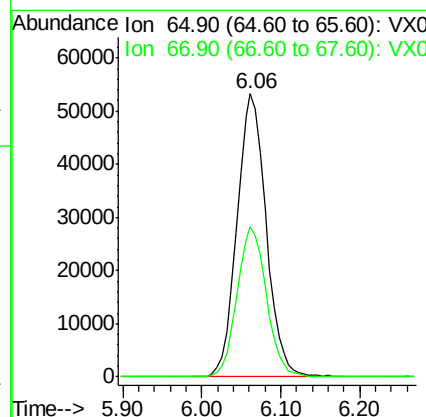
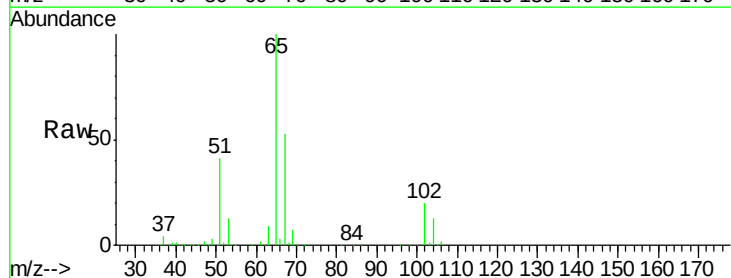
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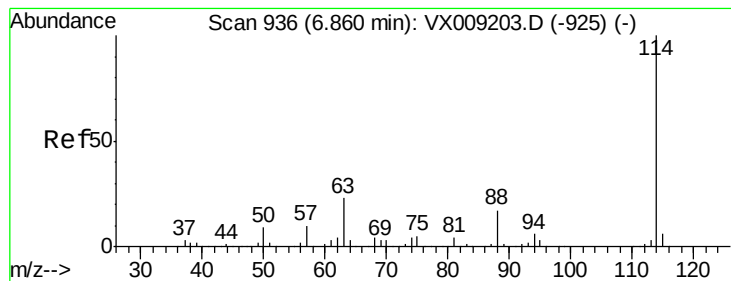


#33

1,2-Dichloroethane-d4
 Concen: 47.786 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009216.D
 Acq: 29 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	136727		
67	53.6		0.0	106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009216.D

Acq: 29 Apr 2019 18:42

Instrument :

MSVOA_X

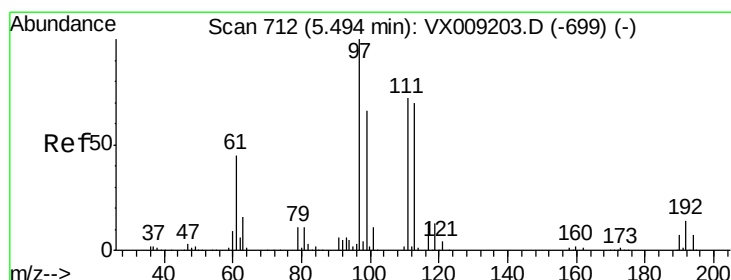
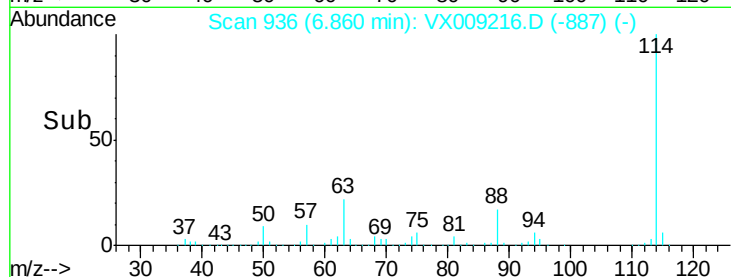
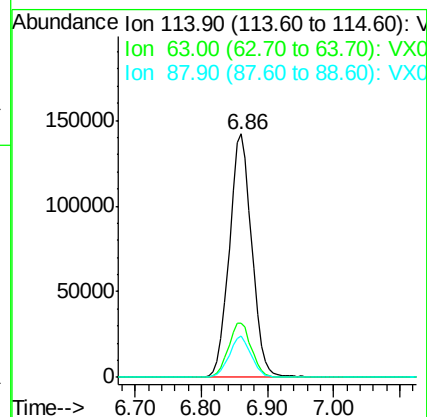
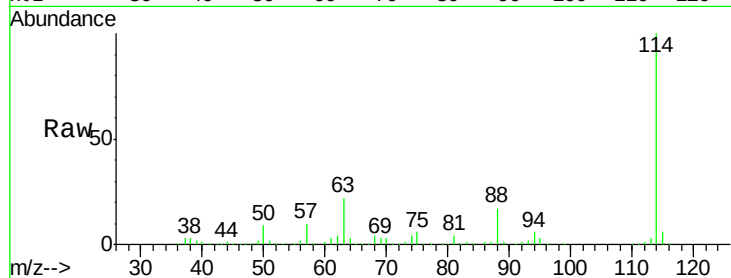
ClientSampleId :

WP021MW037-190423

Tot Ion:	114	Resp:	334660
Ion Ratio		Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.9	0.0	33.2

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#35

Dibromofluoromethane

Concen: 48.241 ug/l

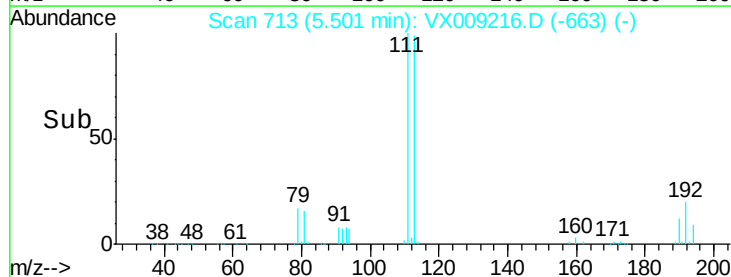
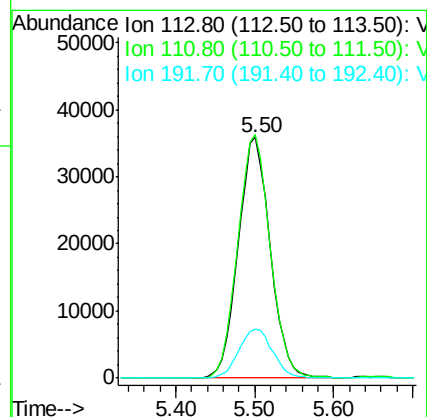
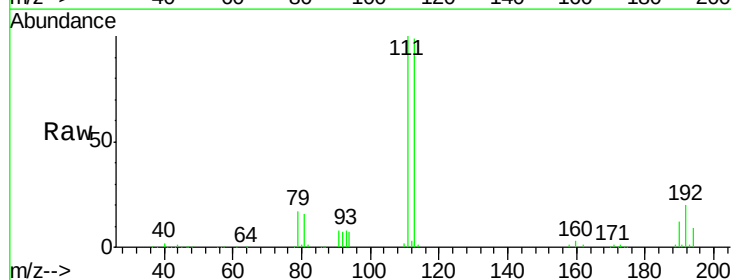
RT: 5.50 min Scan# 713

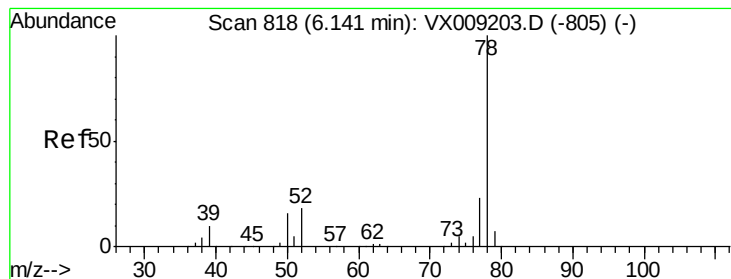
Delta R.T. 0.01 min

Lab File: VX009216.D

Acq: 29 Apr 2019 18:42

Tgt Ion:	113	Resp:	101490
Ion Ratio		Lower	Upper
113	100		
111	102.0	82.8	124.2
192	21.4	17.0	25.6





#40

Benzene

Concen: 0.731 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX009216.D

Acq: 29 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-190423

Tot Ion: 78 Resp: 7040

Ion Ratio Lower Upper

78 100

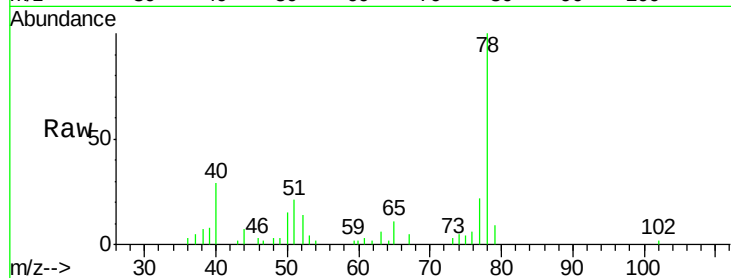
77 21.5 18.8 28.2

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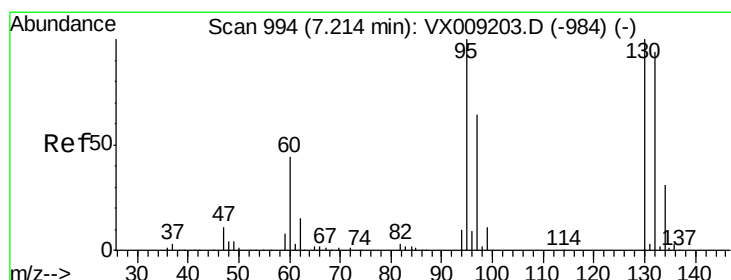
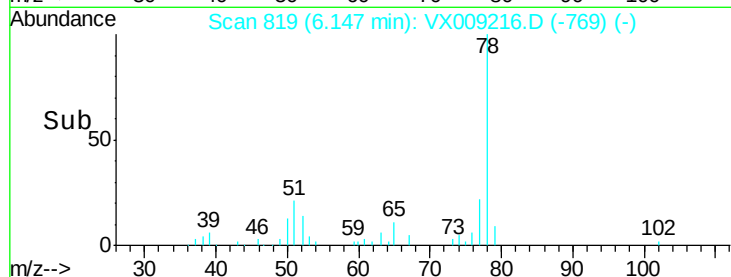
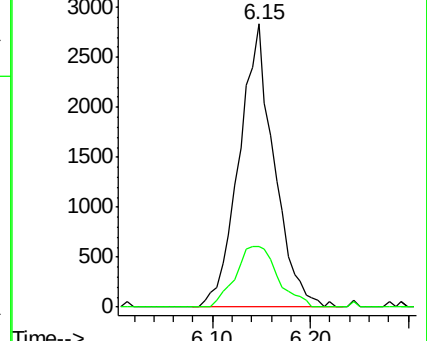
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 1.837 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009216.D

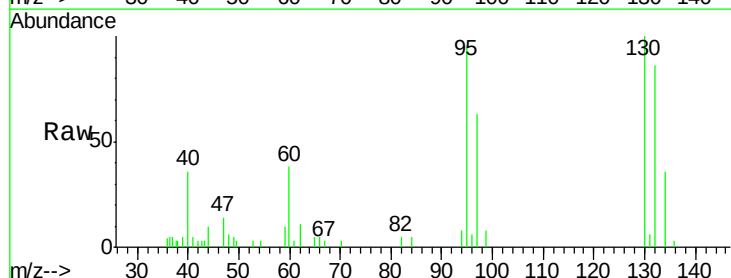
Acq: 29 Apr 2019 18:42

Tgt Ion: 130 Resp: 4275

Ion Ratio Lower Upper

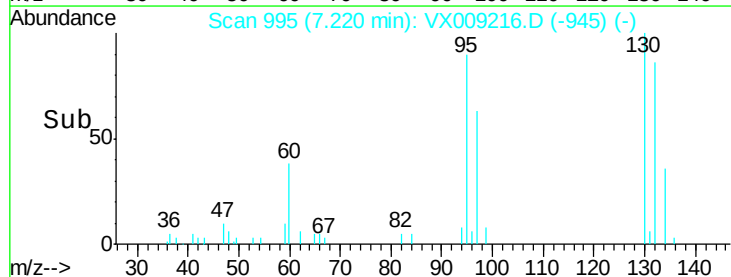
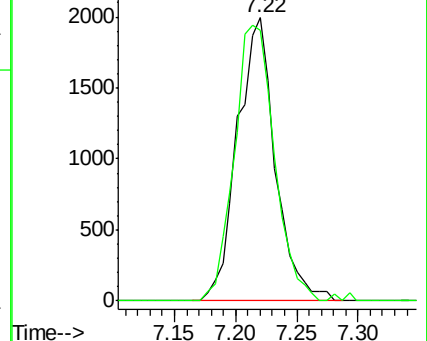
130 100

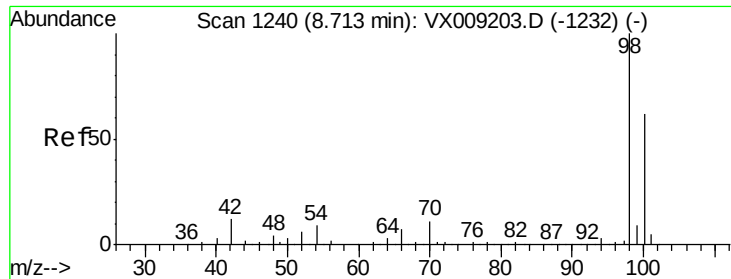
95 95.5 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.101 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009216.D

Acq: 29 Apr 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

WP021MW037-190423

Tot Ion: 98 Resp: 417040

Ion Ratio Lower Upper

98 100

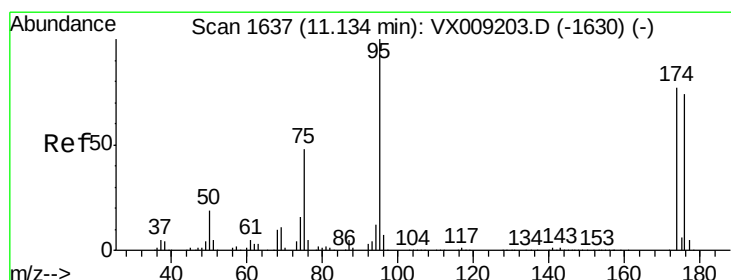
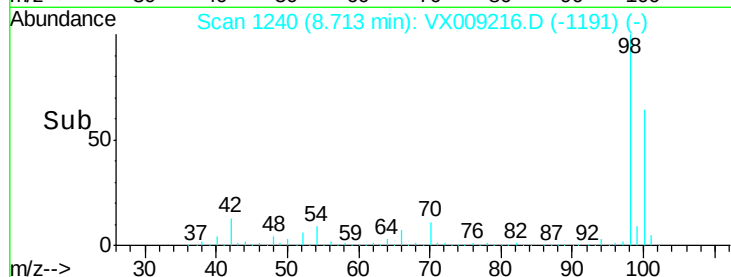
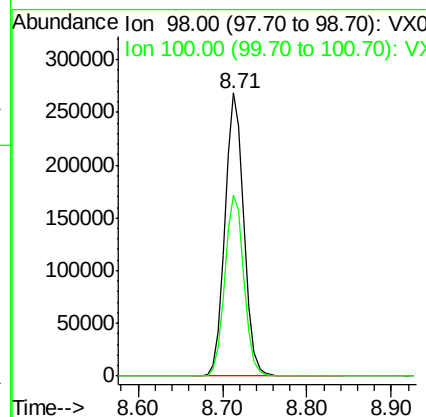
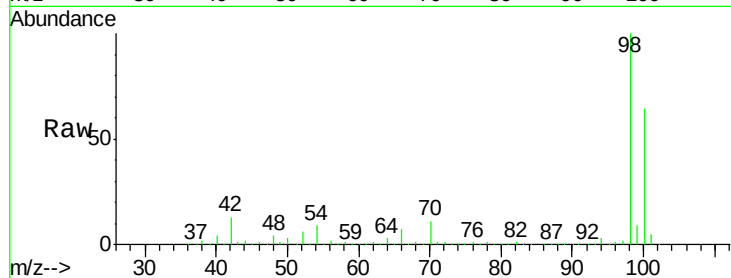
100 64.6 51.2 76.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 44.764 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009216.D

Acq: 29 Apr 2019 18:42

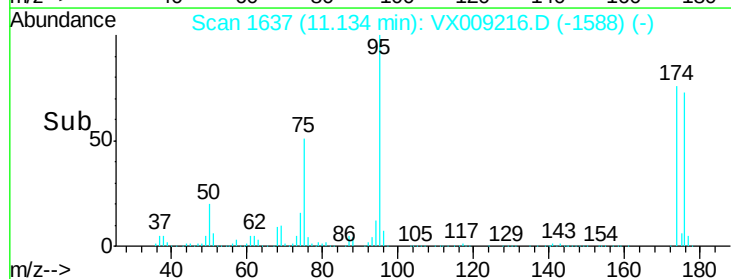
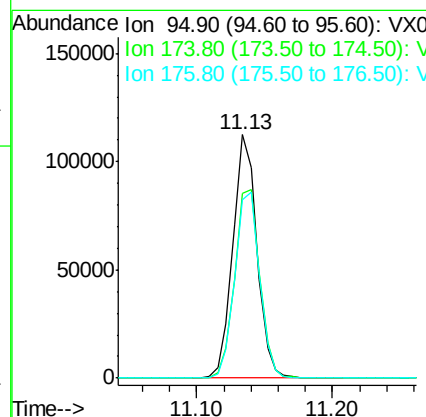
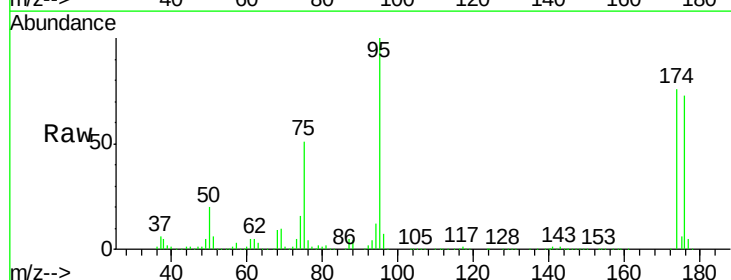
Tgt Ion: 95 Resp: 138154

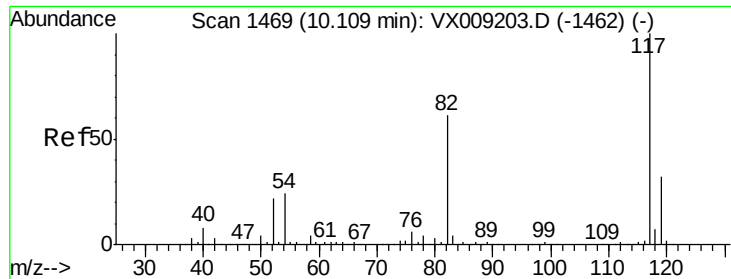
Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 79.4 0.0 159.2





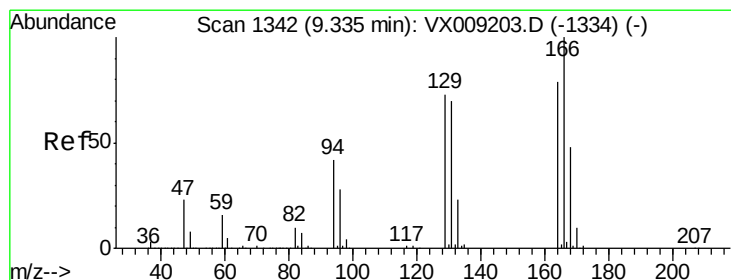
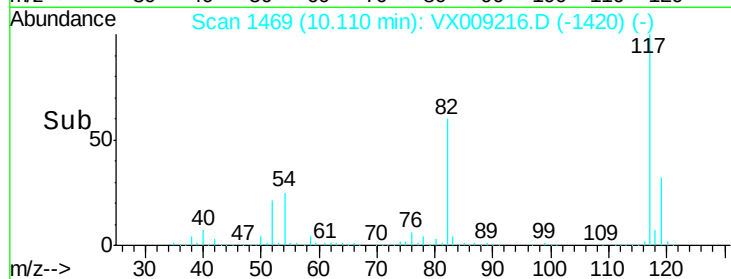
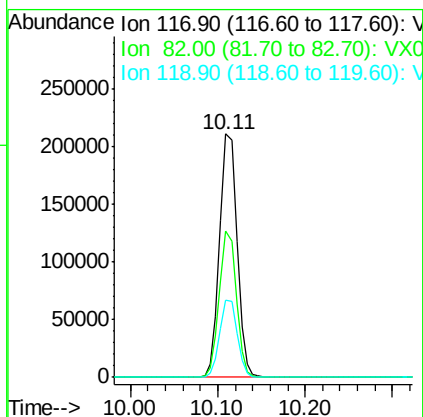
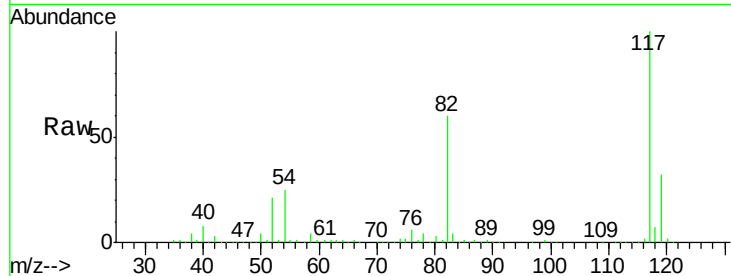
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009216.D
Acq: 29 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
WP021MW037-190423

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292016		
82	60.2	48.8	73.2	
119	31.8	25.8	38.6	

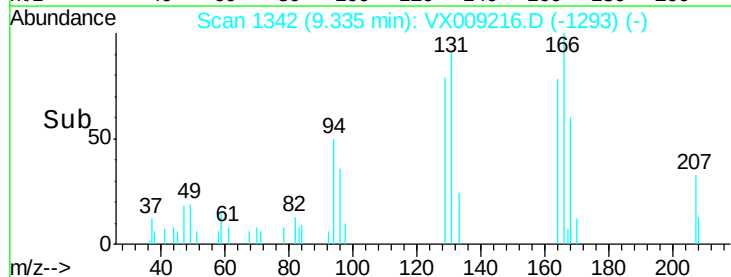
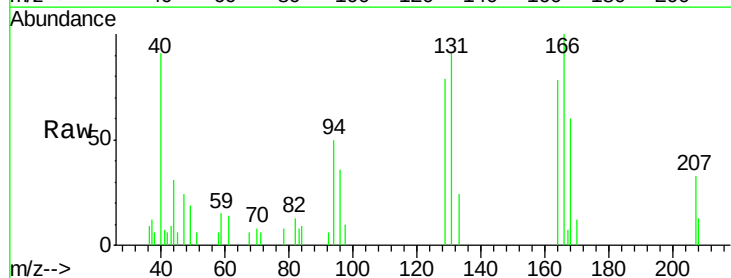
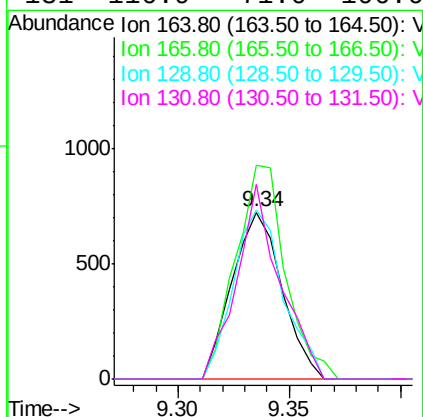
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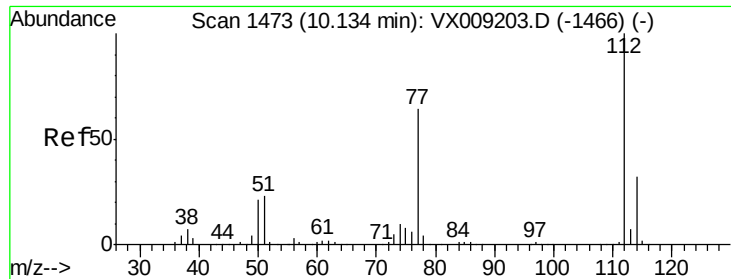
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#64
Tetrachloroethene
Concen: 0.563 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009216.D
Acq: 29 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1127		
166	128.3	101.2	151.8	
129	101.1	74.3	111.5	
131	116.9	71.0	106.6	





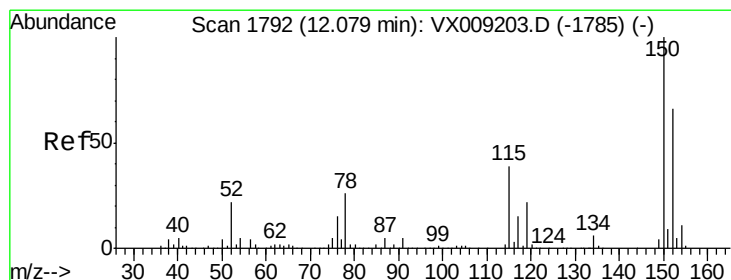
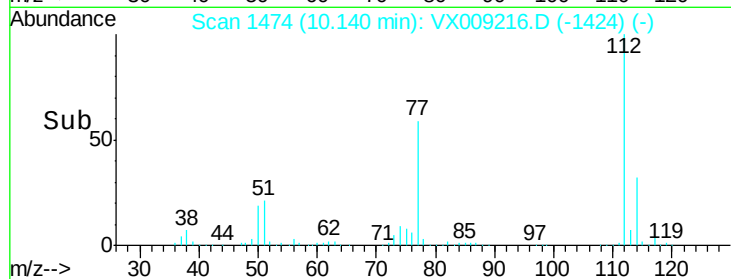
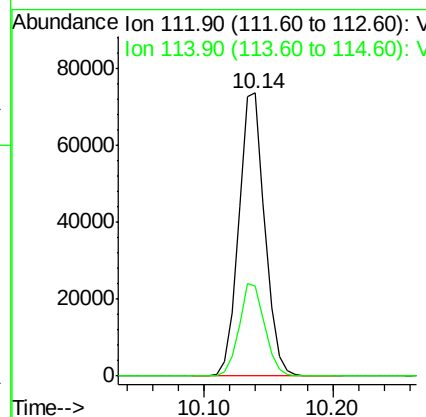
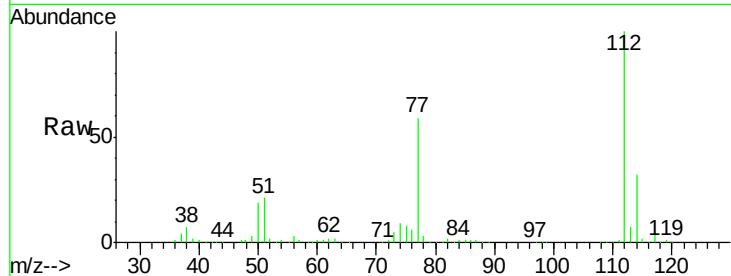
#65
Chlorobenzene
Concen: 17.652 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009216.D
Acq: 29 Apr 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
WP021MW037-190423

Tot Ion	Ratio	Resp	Lower	Upper
112	100	103115		
114	31.9	25.5	38.3	

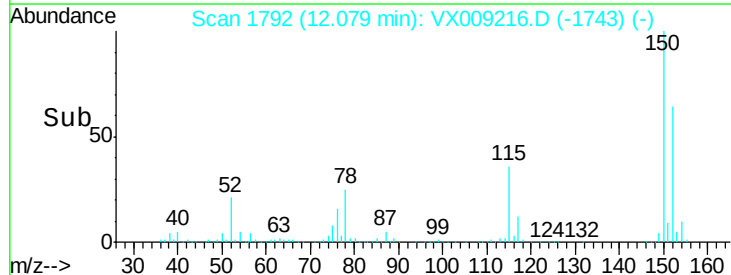
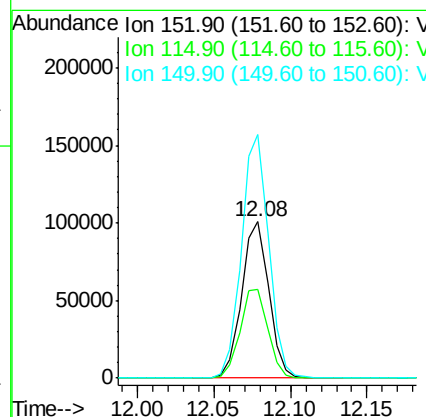
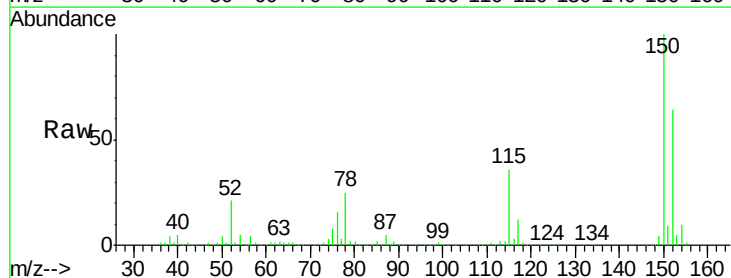
Manual Integrations
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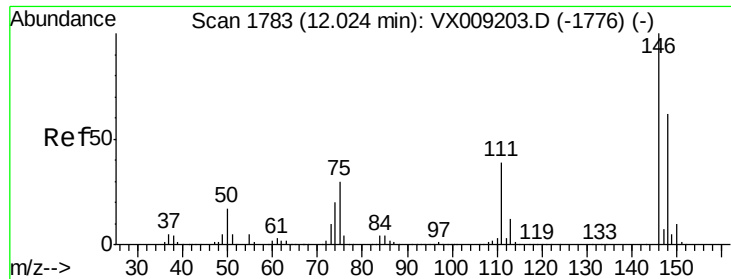
MMDadoda
4/30/2019 11:03:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009216.D
Acq: 29 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	123634		
115	58.5	41.2	123.6	
150	156.3	0.0	346.4	





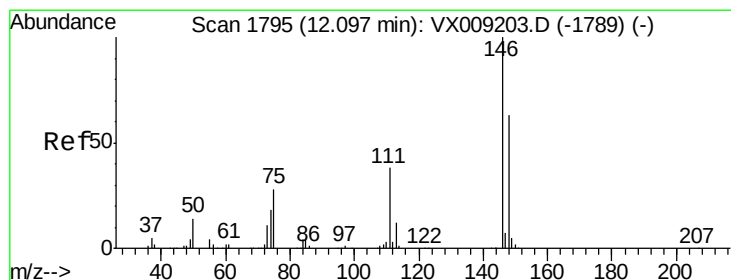
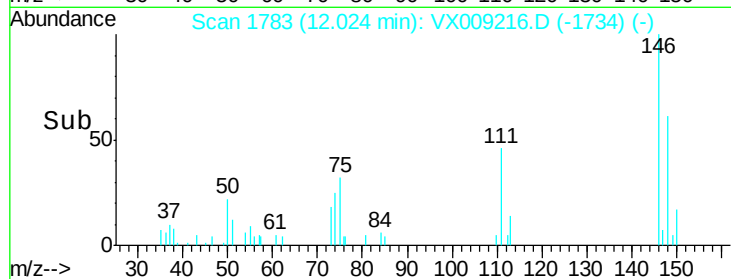
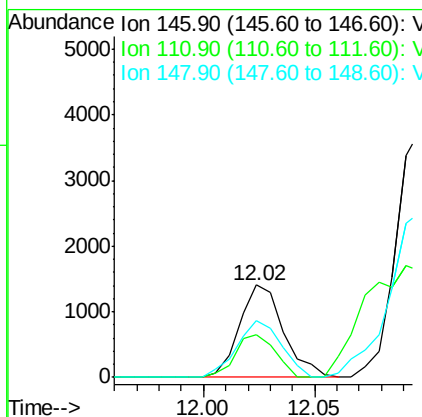
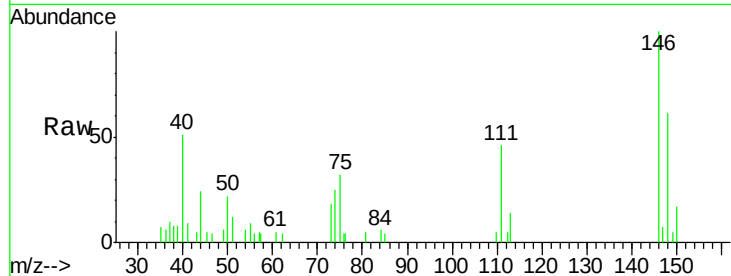
#87
 1,3-Dichlorobenzene
 Concen: 0.489 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009216.D
 Acq: 29 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW037-190423

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.0	59.9
148	61.3	31.8	95.3

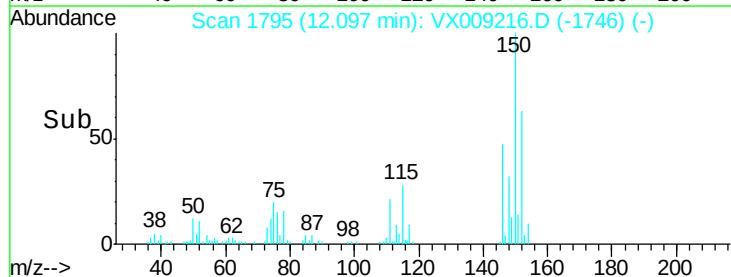
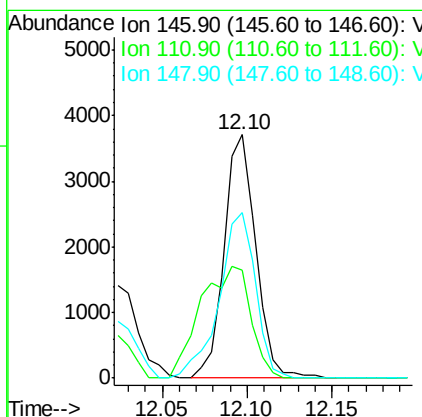
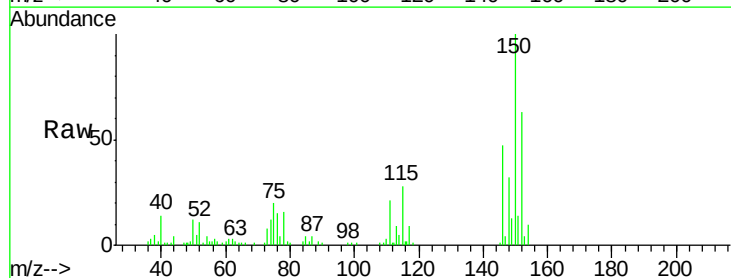
Manual Integrations
 APPROVED

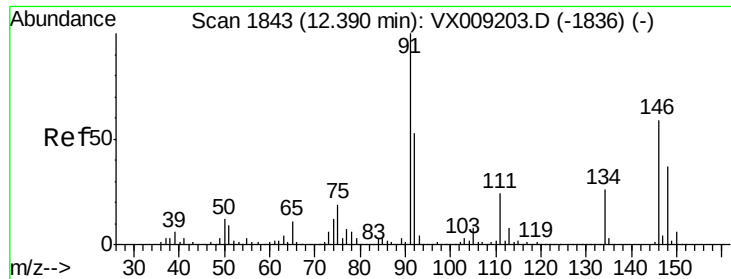
MMDadoda
 4/30/2019 11:03:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.210 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009216.D
 Acq: 29 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	16.9	19.6	58.8#
148	24.5	31.8	95.3#





#91
 1,2-Dichlorobenzene
 Concen: 1.448 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009216.D
 Acq: 29 Apr 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW037-190423

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.4
148	64.2	31.9	95.9

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:55 AM

